

US EPA ARCHIVE DOCUMENT

# MS4 Construction Site Runoff Control Environmental Results Program

August 27, 2009

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# Environmental Results Program

- What is ERP?
  - Compliance Assistance
  - Self-assessment and self-certification
  - Agency Inspections
  - Statistically based performance measurement (EBPI) to gage results and track performance changes

# Typical ERP Cycle

1. Inventory
2. Statistical Baseline Inspections
3. Compliance Assistance
4. Self-Certification - RTCs
5. Targeted Follow-Up
6. Statistical Post-Certification Inspections
7. Informed Decision Making

# Auto Body Example

- Industry Inventory, Significant Compliance Issues
- Work Book & Check List
- Base Line Inspections
- Training
- Post Certification Inspections
- Analyze Results

# *Example of a Measurable Result*

## **MeCl Paint Stripping—RI Data**

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- ***Baseline Audits (n=40):*** 33% of shops used MeCl
- **ERP Launch:** On site technical assistance, workshops, fact sheets, certification workbook (Sec. 3.2, 7.5.4) advised shops to stop using MeCl
- ***Post Certification Audits (n=42):*** 5% used MeCl

**28% Reduction in MeCl Use**

**= statistically significant  
decrease ( $P<.001$ )**

# Applying to Construction Site Runoff Control

- EPA SIG Awarded in October 2007 – Work w/ URI Center for Pollution Prevention
- 3 Year Project
- Identifying Inventory – All Construction Projects > 1 acre
- Determining Number of Baseline Inspections Needed
- Developing Check List
- Conducting Baseline Inspections

# Sample EBPI Compliance – Baseline Results

- 33% Have Their SWPPPs on site
- 33% Conduct Inspections after Significant Rain Events
- 67% Made Provisions for Wind Erosion
- 35% Properly Maintain BMPs
- 39% Have Gravel Access Drives
- 79% Perform Good Housekeeping



# Next Steps

- Develop Stakeholder Group - Implementation
- Develop Training Workshops – How to use the Check List to conduct a Self-Assessment
- Develop Inspection Strategy – DEM Inspectors, Local Inspectors, others
- Develop Compliance Policy for Enforcement